

# Emmit Parubrub

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<https://github.com/eparubrub>  
San Francisco CA

## Summary

As a person of Native Hawaiian lineage, born on the island of Oahu, I grew up in the midst of mountains, beaches and dense forests, but not a lot of screens. Technology, companies, the immediacies of urban life, were a distant reality to me. I was introduced to technology through school, and became instantly fascinated. This glimpse into another world developed into a determination to excel in computer science. Now, as I enter senior year and look towards the future, I want to work towards instilling wonder in rural, marginalized and underrepresented communities. Technology offers us a view into other realities, whatever we cannot see in front of us, in a way that never ceases to amaze me.

## Education

University of San Francisco (USF), San Francisco, CA

*Expected Graduation: May 2019*

- B.S. Computer Science
- GPA: 3.70

## Projects

- Developing a web based adaptation of popular board game “Gaia Project” with React (JS library)
- Designed Python applications to encrypt and decrypt text files
- Created a Python program to ensure rapid retail checkouts on websites.
- Continuously updating personal webpage using bootstrap ([eparubrub.github.io](https://eparubrub.github.io))
- Constructed an ARM Single-Cycle Emulator in Assembly and Logisim
- Programmed a mp3 player using JavaZOOM and jAudiotagger libraries
- Wrote several sorting methods to test efficiency on small and large scale data
  - Methods include: comb, merge, hybrid, bucket, radix, heap, randomized quick, and more

## Skills

- Proficient with Java, Python, C, ARM Assembly, Github, HTML, CSS
- Experienced with React, TypeScript, JavaScript, npm, Emacs, Eclipse, Sublime, MySQL
- Coursework: Cryptography, Computer Architecture, Parallel Computing, Data Structures & Algorithms

## Experience

University of San Francisco, San Francisco, CA

*August 2018 - Present*

### **Computer Science Supertutor**

- Assist computer science students with coding in various languages: C, Java, Python.
- Tutor students attending Data Structures and Algorithms, Parallel Computing, Software Development, and other courses.

Department of Defense, Honolulu, HI

*June 2018 - August 2018 & Present*

### **Summer and Winter IT Intern**

- Serve as a System Administrator modifying user accounts and profiles for state employees and requests.
- Troubleshoot workstation hardware, software, and networks.
- Configure and install new user workstations using PDQ inventory and PDQ deploy.

## Affiliations

Association of Computer Machinery, San Francisco, CA

*October 2016 – Present*

### **Officer**

- Coordinate and organize University of San Francisco’s Annual Empowerment Hackathons.
- Market numerous association gatherings including annual picnics and celebrations.